

# SLM Micropipettes

Consistent High Quality Microtools for ICSI and Others .....

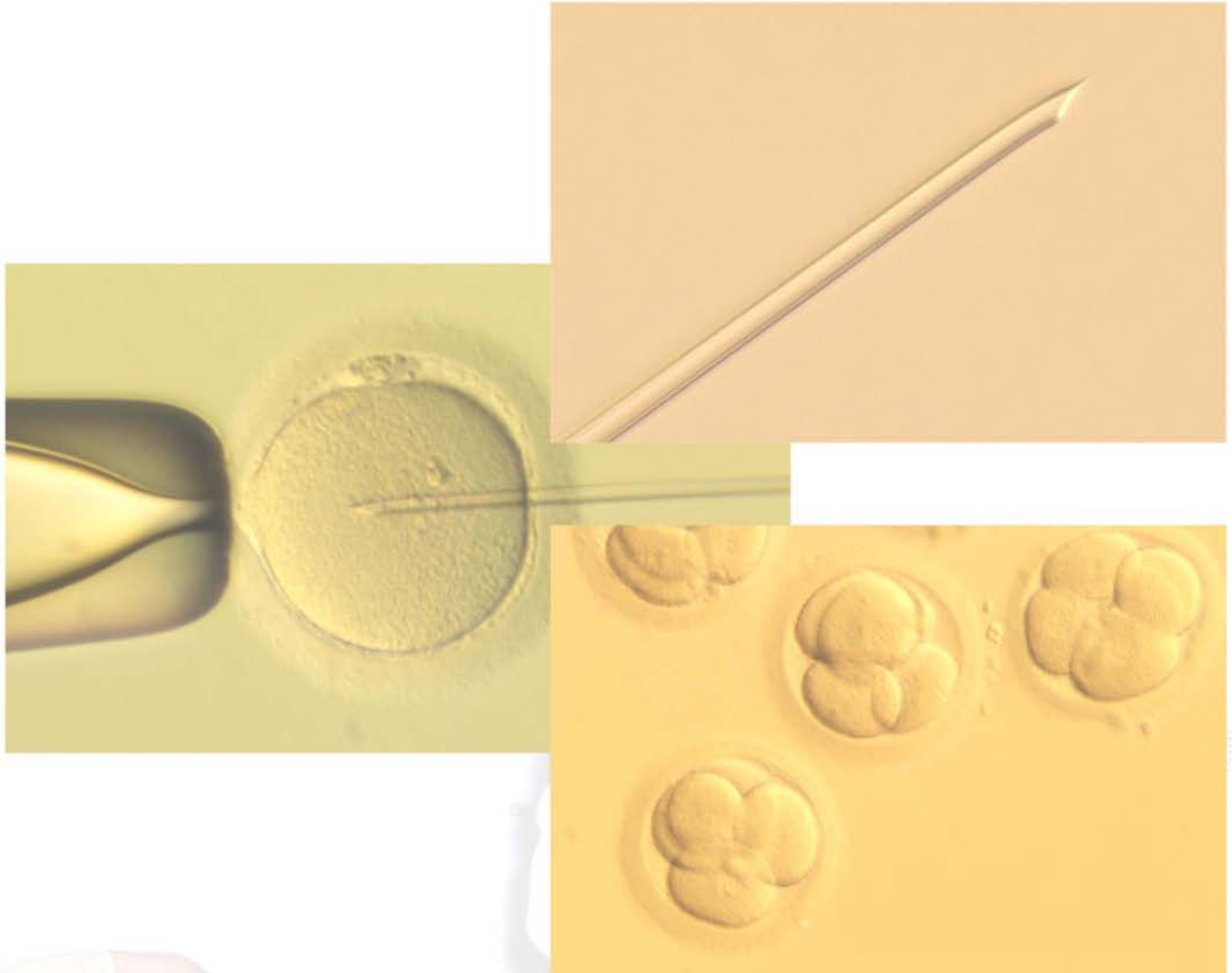
*We do better ...*



SUNLIGHT MEDICAL INC

[www.sunlight-medical.com](http://www.sunlight-medical.com)

**S**unlight Medical Inc (SLM) manufactures and supplies a complete line of micropipettes for in vitro fertilization (IVF) procedures such as intracytoplasmic sperm injection (ICSI), embryo biopsy, assisted hatching, and other related procedures. We offer **consistency, precision, reliability, convenience, and value.**



*... if all the micropipettes are still hand made.*

## Quality Assurance

SLM micropipettes are designed and manufactured under the direct supervision of scientists who are experts in the field of assisted reproduction technology (ART) and micromanipulation. Each micropipette is hand-crafted by highly trained technicians in a controlled environment and is individually examined for quality assurance.

SLM micropipettes are **traceable** to the materials, procedures, and production and QA personnel in preparing each individual pipette for quality assurance. **This extra step puts pressure on everyone of us** for consistent high quality products, but **gives you relaxation and confidence** for precision manipulations and desired outcomes.

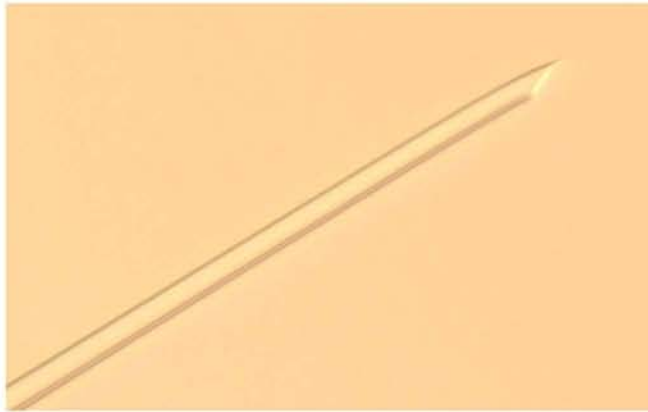
## Packaging

SLM pipettes are packed in our convenient **color coded** pipette safe cases. The case is designed with a **green** concept by using minimal materials for conservation and minimizing weight and size of the total package in the effort to reduce energy used for transportation. The outer box, including all labels, is made of paper for easy recycling.

**We have made it easy for you to recycle the plastic and paper used in packaging.**



## ICSI Injection Pipettes



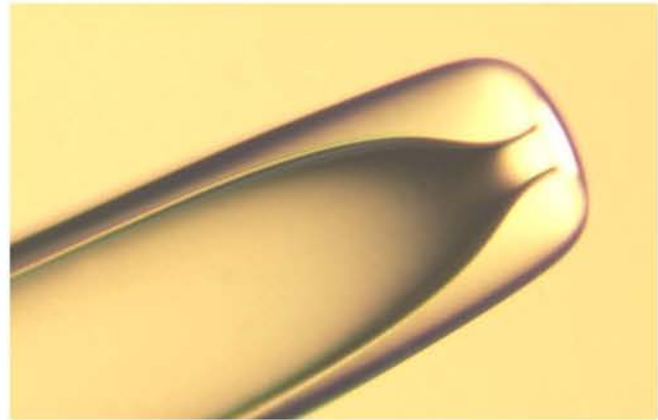
- SLM ICSI Injection Pipettes are used to perform intracytoplasmic sperm injection (ICSI).
- The unique shape and taper of our ICSI pipettes provide for smooth movement of its content. A few sperm can be loaded for injecting a few oocytes at one time. The short and sharp fine spike at the tip allows for easy, non-traumatizing penetration of an oocyte.
- Three groups are available for selection: 45V, 50V and 55W. The 50V series is our classic design with an ID 5  $\mu\text{m}$ , tip bevel 30 $^{\circ}$ , and is spiked. The 45V series is a smaller version of 50V with an ID 4.5  $\mu\text{m}$ . The 55W series has an ID 5.5  $\mu\text{m}$ , tip bevel 40 $^{\circ}$ , and is spiked.
- All our injection pipettes are supplied with an angle of 20 $^{\circ}$ , 30 $^{\circ}$ , or 35 $^{\circ}$  and a tip to elbow length of 550  $\mu\text{m}$ .
- Sold in a box of 10.

### Ordering Information

Catalogue Number	Outer Diameters $\mu\text{m}$	Inner Diameters $\mu\text{m}$	Tip Bevel Angle degrees	Tip Bend Angle degrees
SIC-45V-20	6	4.5	30	20
SIC-45V-30	6	4.5	30	30
SIC-45V-35	6	4.5	30	35
SIC-50V-20	7	5.0	30	20
SIC-50V-30	7	5.0	30	30
SIC-50V-35	7	5.0	30	35
SIC-55W-20	7	5.5	40	20
SIC-55W-30	7	5.5	40	30
SIC-55W-35	7	5.5	40	35

## Holding Pipettes

- SLM Holding Pipettes are used to hold an oocyte or embryo in position during ICSI and other micromanipulation procedures.
- There are two series and four sizes for selection. The classic series has an ID 20  $\mu\text{m}$  and OD in 90  $\mu\text{m}$ , 100  $\mu\text{m}$ , and 120  $\mu\text{m}$ . The 'B' series has an ID 30  $\mu\text{m}$  and OD in 120  $\mu\text{m}$  and 130  $\mu\text{m}$ . The 'B' series is designed for holding an oocyte with cumulus cells attached.
- All our holding pipettes are supplied with a tip angle of 20<sup>o</sup>, 30<sup>o</sup>, or 35<sup>o</sup> and a tip to elbow length of 650  $\mu\text{m}$ .
- Sold in a box of 10.



### Ordering Information

Catalogue Number	Outer Diameters $\mu\text{m}$	Inner Diameters $\mu\text{m}$	Tip Angle degrees
SHP-90-30	90	20	30
SHP-100-20	100	20	20
SHP-100-30	100	20	30
SHP-100-35	100	20	35
SHP-120-20	120	20	20
SHP-120-30	120	20	30
SHP-120-35	120	20	35
SHP-120B-20	120	30	20
SHP-120B-30	120	30	30
SHP-120B-35	120	30	35
SHP-130B-30	130	30	30

## Zona Drilling Pipettes

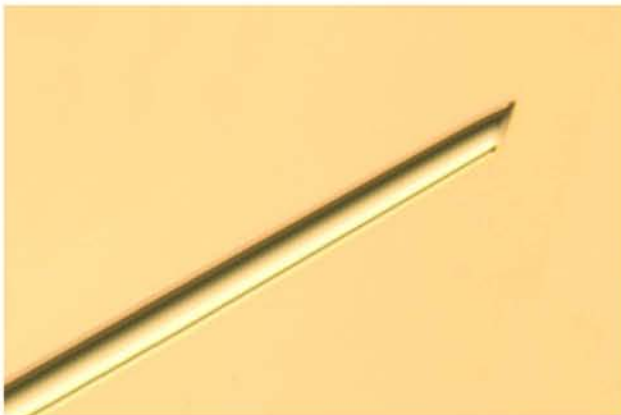


- SLM Zona Drilling Pipettes are used to apply acidic solution for creating a hole on the zona pellucida to enable assisted hatching and/or embryo biopsy.
- There are two sizes available for selection: ID 8-10  $\mu\text{m}$  and ID 10-12  $\mu\text{m}$ . These pipettes are designed with a slightly fire-polished tip.
- They are supplied with 30<sup>0</sup> tip angle and a tip to elbow length of 550  $\mu\text{m}$ .
- Sold in a box of 10.

### Ordering Information

Catalogue Number	Inner Diameters $\mu\text{m}$	Tip Style	Tip Angle degrees
SZD-10-30	8-10	Flat	30
SZD-12-30	10-12	Flat	30

## Polar Body Biopsy Pipettes



- SLM Polar Body Biopsy Pipettes are used to remove polar bodies from human oocytes and embryos for pre-implantation genetic diagnosis (PGD).
- There are three series of pipettes available for selection: 15Z (flat tip), 15X (beveled tip) and 15S (spiked tip).
- All these pipettes are designed with a fire polished edge to avoid damage to the cell membrane.
- They are supplied with a tip angle of 30<sup>0</sup> and a tip to elbow length of 550  $\mu\text{m}$ .
- Sold in a box of 10.

### Ordering Information

Catalogue Number	Inner Diameters $\mu\text{m}$	Tip Style	Tip Angle degrees
SPB-15Z-30	13-15	Flat	30
SPB-15X-30	13-15	Beveled	30
SPB-15S-30	13-15	Beveled and Spiked	30

## Partial Zona Dissection (PZD) Pipettes

- SLM PZD Pipettes are used to cut an opening on the zona pellucida of an oocyte mechanically to enable assisted hatching and/or embryo biopsy.
- The pipette is designed with a very sharp tip and a strong taper section for easy control and precision manipulation.
- They are supplied with a 30° tip angle and a tip to elbow length 550 μm.
- Sold in a box of 10.

### Ordering Information

Catalogue Number	Description	Tip Angle degrees
SPD-30	PZD Pipette	30



## Blastomere Biopsy Pipettes

- SLM Blastomere Biopsy Pipettes are used to remove blastomeres from embryos for pre-implantation genetic diagnosis (PGD).
- There are three sizes and two series available for selection. The 'Z' series is flat tip while the 'X' series is beveled tip. Both styles are supplied with an ID in 30 μm, 35 μm, and 40 μm. All tips are fire polished to reduce damage to the cell membrane.
- They are supplied with a tip angle of 30° and a tip to elbow length of 550 μm.
- Sold in a box of 10.



### Ordering Information

Catalogue Number	Tip Style	Inner Diameters μm	Tip Angle degrees
SBB-30Z-30	Flat	30	30
SBB-35Z-30	Flat	35	30
SBB-40Z-30	Flat	40	30
SBB-30X-30	Beveled	30	30
SBB-35X-30	Beveled	35	30
SBB-40X-30	Beveled	40	30

## How to Order?

Please contact your local distributor when placing your order. If a distributor is not available in your region, orders can be placed using any of the methods below:

1. Download an order form in either Word format or PDF format from [www.sunlight-medical.com](http://www.sunlight-medical.com). Fax or email your order. Our fax number is (904) 886 2900, email: [slm@sunlightmedical.net](mailto:slm@sunlightmedical.net).
2. Place an order by calling us at (904) 866 7980 / 886 2900.
3. Place an order using the online order form on our website at [www.sunlight-medical.com](http://www.sunlight-medical.com).

**We would be happy to send you samples for evaluation.**



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ISO 13485

CE 0297

EC REP

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